

INTERNATIONAL SEARCH REPORT

 International application No.
 PCT/US00/13825

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A23G 9/00 US CL : 62/69, 306, 342; 73/290R According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 62/69, 70,306, 307 342; 73/290R, 291, 37, 61.78 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched None Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) None		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y — A	US 3,660,988 A (GARAVELLI) 09 May 1972, column 2, lines 18-28.	10, 19 — 1-3, 11, 12, 21 — 4-9, 20, 22
Y — A	US 3,256,100 A (BERNSTEIN et al) 14 June 1966, column 2, lines 55-72.	2, 3, 11, 12, 21 — 4-9, 13, 14, 20, 22
A	US 4,817,396 A (MENZEL) 04 April 1989, see the entire document.	1-22
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents: *A* document defining the general state of the art which is not considered to be of particular relevance *B* earlier document published on or after the international filing date *I* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art *Z* document member of the same patent family		
Date of the actual completion of the international search 07 AUGUST 2000		Date of mailing of the international search report 07 SEP 2000
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230		Authorized officer WILLIAM E. TAPOLCAI <i>Diane Smith</i> Telephone No. (703) 308-2640

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,649,746 A (SNOW) 17 March 1987, see the entire document.	4, 5, 13-18, 20, 22
A	US 5,285,812 A (MORALES) 15 February 1994, see the entire document.	4, 5, 13-18, 20, 22
A	US 4,567,761 A (FAJEAU) 04 February 1986, see the entire document.	4, 5, 13-18, 20, 22
A	US 3,874,189 A (CALIM) 01 April 1975, see the entire document.	1-22
A	US 4,201,558 A (SCHWITTERS et al) 06 May 1980, see the entire document.	1-22
A	US 3,468,137 A (WELTY) 23 September 1969, see the entire document.	1-22
A	US 3,797,268 A (GARVELLI) 19 March 1974, see the entire document.	1-22

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PCT/US00/13825**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

Please See Extra Sheet.

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

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BOX II. OBSERVATIONS WHERE UNITY OF INVENTION WAS LACKING

This ISA found multiple inventions as follows:

This application contains the following inventions or groups of inventions which are not so linked as to form a single inventive concept under PCT Rule 13.1. In order for all inventions to be searched, the appropriate additional search fees must be paid.

Group I, claim(s) 1-14 and 19-22, drawn to an ice cream machine with means for adding air to the mix.

Group II, claim(s) 15-18, drawn to a method for measuring the mix level in a storage tank for an ice cream machine.

The inventions listed as Groups I and II do not relate to a single inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the independent claims of Groups I and II do not contain any commonly recited special technical features.